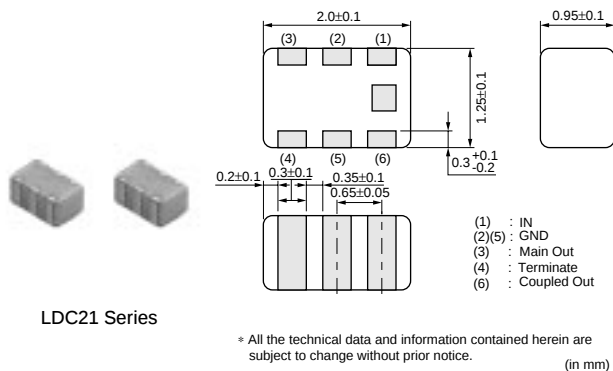
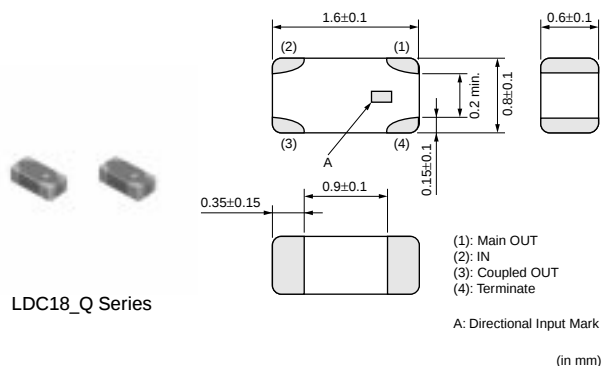
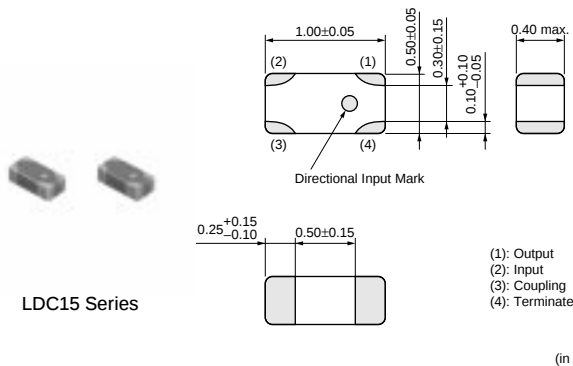


Chip Multilayer Hybrid Couplers

Directional Coupler



Part Number	Frequency Range (MHz)	Coupling (dB)	Insertion Loss (dB)	Isolation (min.) (dB)	VSWR (max.)	Characteristic Impedance (Nom.) (ohm)	Power Capacity (W)	Application
LDC15450M25Q-360	450 ±50MHz	25.1 ±1.8dB	0.15 max. (at 25°C)	38.0	1.5	-	3 max. (50ohm Load)	CDMA450
LDC15707M21Q-360	707 ±9MHz	21.1 ±1.0dB	0.23 max. (at 25°C)	35.0	1.4	-	3 max. (50ohm Load)	UMTS(Band12)
LDC15836M30Q-392	836.5 ±12.5MHz	30.6 ±1.0dB	0.20 max. (at 25°C)	38.0	1.4	-	3 max. (50ohm Load)	UMTS(Band5)
LDC15874M27Q-359	874 ±51MHz	27.2 ±1.0dB	0.20 max. (at 25°C)	42.0	1.4	50	3 max. (50ohm Load)	UMTS(Band5/8)
LDC15897M26SB008	897.5 ±17.5MHz	26.4 ±1.0dB	0.15 max. (at 25°C)	-	1.4	50	3 max. (50ohm Load)	UMTS(Band8)
LDC15906M19SB001	906.0 ±19.0MHz	19.3 ±1.0dB	0.22 max. (at 25°C)	-	1.4	50	3 max. (50ohm Load)	CDMA
LDC151G4418Q-352	1441 ±12MHz	18.9 ±1.0dB	0.23 max. (at 25°C)	32.0	1.4	50	3 max. (50ohm Load)	WCDMA
LDC151G7313Q-360	1732.5 ±22.5MHz	13.6 ±1.0dB	0.42 max. (at 25°C)	24.0	1.4	50	3 max. (50ohm Load)	UMTS(Band4)
LDC151G7424Q-392	1747 ±37.5MHz	24.1 ±1.0dB	0.20 max. (at 25°C)	30.0	1.4	50	3 max. (50ohm Load)	UMTS(Band4)
LDC151G7421Q-359	1747.5 ±37.5MHz	21.2 ±1.0dB	0.22 max. (at 25°C)	35.0	1.4	50	3 max. (50ohm Load)	UMTS(Band3)
LDC151G8117Q-352	1810 ±100MHz	17.0 ±1.2dB	0.25 max. (at 25°C)	32.0	1.4	50	3 max. (50ohm Load)	GSM
LDC151G8620Q-359	1865 ±115MHz	20.5 ±1.0dB	0.22 max. (at 25°C)	34.0	1.4	50	3 max. (50ohm Load)	UMTS(Band2)
LDC151G8824Q-393	1880 ±30MHz	24.7 ±1.0dB	0.20 max. (at 25°C)	32.0	1.4	50	3 max. (50ohm Load)	UMTS(Band2)

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Part Number	Frequency Range (MHz)	Coupling (dB)	Insertion Loss (dB)	Isolation (min.) (dB)	VSWR (max.)	Characteristic Impedance (Nom.) (ohm)	Power Capacity (W)	Application
LDC151G9120Q-359	1915 ±65MHz	20.4 ±1.0dB	0.22 max. (at 25°C)	34.0	1.4	50	3 max. (50ohm Load)	UMTS(Band1)
LDC151G9523Q-392	1950 ±30MHz	23.2 ±1.0dB	0.20 max. (at 25°C)	30.0	1.4	50	3 max. (50ohm Load)	UMTS(Band1)
LDC152G1419Q-359	2140 ±30MHz	19.4 ±1.0dB	0.26 max. (at 25°C)	33.0	1.5	50	3 max. (50ohm Load)	UMTS(Band1)
LDC152G3518Q-359	2350 ±50MHz	18.7 ±1.0dB	0.28 max. (at 25°C)	31.0	1.4	50	3 max. (50ohm Load)	WLAN
LDC152G4518Q-359	2450 ±50MHz	18.4 ±1.0dB	0.29 max. (at 25°C)	31.0	1.4	50	3 max. (50ohm Load)	WLAN
LDC152G5318Q-359	2535 ±35MHz	18.1 ±1.0dB	0.30 max. (at 25°C)	31.0	1.4	50	3 max. (50ohm Load)	UMTS(Band7)
LDC18836M32Q-370	836.5 ±12.5MHz	32.2 ±1.2dB	0.17 max. (at 25°C)	44.0	1.5	50	3 max. (50ohm Load)	UMTS(Band5)
LDC18897M20Q-361	897.5 ±17.5MHz	20.5 ±1.0dB	0.22 max. (at 25°C)	33.0	1.5	50	3 max. (50ohm Load)	UMTS(Band8)
LDC181G7426Q-370	1747.5 ±37.5MHz	26.0 ±1.2dB	0.17 max. (at 25°C)	49.0	1.5	50	3 max. (50ohm Load)	UMTS(Band4)
LDC181G8825Q-370	1880.0 ±30.0MHz	25.3 ±1.2dB	0.22 max. (at 25°C)	45.5	1.5	50	3 max. (50ohm Load)	UMTS(Band2)
LDC181G9525Q-370	1950.0 ±30.0MHz	25.0 ±1.2dB	0.22 max. (at 25°C)	44.0	1.5	50	3 max. (50ohm Load)	UMTS(Band1)
LDC21836M20B-027	836.5 ±12.5MHz	20.6 ±1.0dB	0.15 max. (at 25°C)	28.0	1.4	50	3 max. (50ohm Load)	CDMA
LDC211G8820B-042	1880.0 ±30.0MHz	20.0 ±1.0dB	0.23 max. (at 25°C)	26.0	1.4	50	3 max. (50ohm Load)	CDMA
LDC211G9517B-031	1950.0 ±30.0MHz	17.3 ±1.0dB	0.27 max. (at 25°C)	21.0	1.4	50	3 max. (50ohm Load)	UMTS(Band1)

Operating Temperature Range: -40°C to +85°C

Mouser Electronics

Authorized Distributor

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Murata:

<u>LDC211G9220H-062</u>	<u>LDC21847M10B-028</u>	<u>LDC211G7410H-057</u>	<u>LDC211G7420H-055</u>	<u>LDC211G8114H-160</u>
<u>LDC18897M18B-325</u>	<u>LDC21897M18B-032</u>	<u>LDC211G8820H-059</u>	<u>LDC21897M14E-085</u>	<u>LDC211G8814H-054</u>
<u>LDC31847M10B-749</u>	<u>LDC18847M14B-322</u>	<u>LDC211G9619B-042</u>	<u>LDC31820M10B-002</u>	<u>LDC31820M20B-001</u>
<u>LDC312G1003B-773</u>	<u>LDC312G1403B-769</u>	<u>LDC18836M20B-320</u>	<u>LDC181G6320B-327</u>	<u>LDC31866M14B-003</u>
<u>LDC31933M19B-001</u>	<u>LDC31933M09B-002</u>	<u>LDC312G4518B-752</u>	<u>LDC31937M09B-002</u>	<u>LDC31937M19B-001</u>
<u>LDC31931M09B-002</u>	<u>LDC31931M19B-001</u>	<u>LDC431G6003B-200</u>	<u>LDC18836M15B-323</u>	<u>LDC181G8810B-321</u>
<u>LDC31836M14B-704</u>	<u>LDC21897M10B-028</u>	<u>LDC21897M20B-027</u>	<u>LDC31897M20B-001</u>	<u>LDC31897M10B-002</u>
<u>LDC311G9214B-716</u>	<u>LDC181G9513B-320</u>	<u>LDC181G9013B-320</u>	<u>LDC181G7410B-323</u>	<u>LDC181G7420B-327</u>
<u>LDC181G9520B-328</u>	<u>LDC21836M20B-027</u>	<u>LDC21836M10B-028</u>	<u>LDC31836M20B-001</u>	<u>LDC31836M10B-002</u>
<u>LDC18897M20B-320</u>	<u>LDC182G1416B-778</u>	<u>LDC31915M09B-730</u>	<u>LDC211G8815B-035</u>	<u>LDC181G6315B-320</u>
<u>LDC211G9518H-073</u>	<u>LDC21897M20H-056</u>	<u>LDC311G7418B-005</u>	<u>LDC211G4417L-070</u>	<u>LDC211G4417L-053</u>
<u>LDC211G7418B-031</u>	<u>LDC18847M20B-320</u>	<u>LDC18906M17B-325</u>	<u>LDC212G1419B-042</u>	<u>LDC31836M15B-003</u>
<u>LDC32900M03B-703</u>	<u>LDC181G9519B-327</u>	<u>LDC181G9509B-321</u>	<u>LDC181G9019B-327</u>	<u>LDC21906M20B-027</u>
<u>LDC31902M10B-002</u>	<u>LDC31902M20B-001</u>	<u>LDC21902M10B-028</u>	<u>LDC182G4517B-327</u>	<u>LDC211G4419B-031</u>
<u>LDC311G4419B-005</u>	<u>LDC311G4819B-005</u>	<u>LDC211G8809B-037</u>	<u>LDC312G2503B-723</u>	<u>LDC182G4512B-320</u>
<u>LDC211G7409B-029</u>	<u>LDC312G5003B-743</u>	<u>LDC212G0610B-038</u>	<u>LDC21924M17E-166</u>	<u>LDC31888M14B-003</u>
<u>LDC31915M20B-732</u>	<u>LDC211G0210D-171</u>	<u>LDC212G4520H-151</u>	<u>LDC31950M19B-001</u>	<u>LDC31950M09B-002</u>
<u>LDC31911M14B-003</u>	<u>LDC21897M17H-098</u>	<u>LDC31920M14B-003</u>	<u>LDC21814M20B-027</u>	<u>LDC21897M19D-079</u>
<u>LDC21897M19D-078</u>	<u>LDC21897M19D-081</u>	<u>LDC21897M14H-058</u>	<u>LDC312G1519B-720</u>	<u>LDC18906M19B-320</u>
<u>LDC21815M20H-069</u>	<u>LDC31914M14B-003</u>	<u>LDC21902M14B-029</u>	<u>LDC31902M14B-003</u>	<u>LDC211G9517B-031</u>